

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	76	lift with valve same compression near2 increas\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:12
L2	12387	60/285 or 123/90.15,90.16,568.11,568.13,568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:12
L3	20	L1 and L2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:12
L4	1	(US-5682854-\$).did.	USPAT	OR	ON	2005/02/06 18:21
L5	1	L4 and compression	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:22
L6	1	L4 and exhaust with compression	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:25
L7	0	L4 and atmospher\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:25
L8	0	L4 and ambient	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:25
L9	0	L4 and equal\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:25
L10	0	L4 and equal\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/06 18:25
L11	5	("4461151").URPN.	USPAT	OR	ON	2005/02/06 18:37
L12	14	("1787717"   "1952881"   "2785667"   "2936575"   "2989840"   "3015934"   "3080704").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 18:56
L13	0	L4 and determin\$3 near2 (device or control\$4 or apparatus or ECU or CU or mechanism)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 18:58

L14	1	L4 and operat\$3 near2 (characteristic or factor or state or condition)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 18:59
L15	1	L4 and operat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:01
L16	1	L4 and control\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:02
L17	0	L4 and (computer or ECU)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:10
L18	1	L4 and (torque or load or speed or pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:15
L19	1	L4 and exhaust near3 (lift or timing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:16
L20	1	L4 and (lift or timing)	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:17
L21	0	L4 and stratif\$5	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:17
L22	0	L4 and stratif\$6	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:20
L23	0	L4 and pressur\$5 near2 passage\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:21
L24	1	L4 and pressur\$5 near2 exhaust	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/06 19:21
S1	107	asada-toshiaki.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 09:34
S2	13	asada-toshiaki.in. and "123"/\$. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:52
S3	0	jp-8200051-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:57
S4	2	jp-08200051-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:57

S5	0	jp-12186517-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:58
S6	2	jp-11186517-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:58
S7	0	jp-13186517-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:58
S8	0	jp-13107714-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:59
S9	0	jp-12107714-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:59
S10	0	jp-12045806-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:59
S11	0	jp-1245806-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 14:59
S12	1	jp-03202603-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:00
S13	1	jp-04143449-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:00
S14	189284	(intake or inlet or exhaust or outlet) near2 valve	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:53
S15	4044	((intake or inlet or exhaust or outlet) near2 valve) and compression adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:53
S16	335	((((intake or inlet or exhaust or outlet) near2 valve) and compression adj ratio) and operation\$2 adj (condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:54

S17	56	(((intake or inlet or exhaust or outlet) near2 valve) and compression adj ratio) and operation\$2 adj (condition or state)) and (pressure with (exhaust or outlet) near2 (passage\$4 or path\$4 or conduit or port or channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:56
S18	47	(((intake or inlet or exhaust or outlet) near2 valve) and compression adj ratio) and operation\$2 adj (condition or state)) and (pressure with (exhaust or outlet) near2 (passage\$4 or path\$4 or conduit or port or channel))) and "123"/\$. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 15:56
S19	2342	60/285	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 16:45
S20	3803	123/90.15,90.16,568.11,568.14, 677,679,687.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 16:46
S21	93	60/285 and 123/90.15,90.16,568. 11,568.14,677,679,687.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 16:46
S22	6093	123/451,448,447,295,76,406.48, 430,435,436,672-676,691,704, 531,532,536,559.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 16:48
S23	11680	60/285 or 123/90.15,90.16,568. 11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48, 430,435,436,672-676,691,704, 531,532,536,559.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 16:44
S24	1887	(60/285 or 123/90.15,90.16,568. 11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48, 430,435,436,672-676,691,704, 531,532,536,559.2.ccls.) and lift	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 17:33
S25	39	((60/285 or 123/90.15,90.16,568. 11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48, 430,435,436,672-676,691,704, 531,532,536,559.2.ccls.) and lift) and stratif\$5 near2 combustion same (exhaust or outlet) adj gas	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 17:35

S26	19	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and lift) and stratif\$5 near2 combustion same (exhaust or outlet) adj gas) and fuel adj consumption	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/13 17:36
S27	1986	(60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and fuel adj consumption	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:06
S28	77	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and fuel adj consumption) and fuel adj consumption same compression adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 16:46
S29	42	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and fuel adj consumption) and fuel adj consumption same compression adj ratio) and combustion adj chamber with pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 16:56
S30	37	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and fuel adj consumption) and fuel adj consumption same compression adj ratio) and combustion adj chamber with pressure) and (exhaust or outlet) with (open\$3 or clos\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 16:56
S31	11680	60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 10:53

S32	1929	(60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and (EGR or exhaust near2 recirculation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:12
S33	377	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and (EGR or exhaust near2 recirculation)) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:13
S34	9	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and (EGR or exhaust near2 recirculation)) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)) and ((exhaust or outlet) near2 valve) with (clos\$3 adj before)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:13
S35	17808	EGR or exhaust near2 recirculation	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:28
S36	781	(EGR or exhaust near2 recirculation) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:13
S37	16	((EGR or exhaust near2 recirculation) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)) and ((exhaust or outlet) near2 valve) with (clos\$3 adj before)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:14

S38	7	((EGR or exhaust near2 recirculation) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)) and ((exhaust or outlet) near2 valve) with (clos\$3 adj before) ) not (((60/285 or 123/90.15,90.16, 568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704, 531,532,536,559.2.ccls.) and (EGR or exhaust near2 recirculation)) and ((exhaust or outlet) near2 valve) with (open\$3 near4 clos\$3) with ((intake or outlet) near2 valve)) and ((exhaust or outlet) near2 valve) with (clos\$3 adj before) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:13
S39	33	((exhaust or outlet) near2 valve) with (clos\$3 adj before adj (intake or inlet))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:15
S40	78	(EGR or exhaust near2 recirculation) and exhaust adj gas with stratif\$5 with combustion adj chamber	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:29
S41	16	(EGR or exhaust near2 recirculation) and (exhaust adj gas with stratif\$5 with combustion adj chamber) same fuel adj consumption	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:34
S42	20	(exhaust adj gas with stratif\$5 with combustion adj chamber) same (fuel adj consumption) near2 (improv\$3 or increas\$3 or reduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:34
S43	11	((exhaust adj gas with stratif\$5 with combustion adj chamber) same (fuel adj consumption) near2 (improv\$3 or increas\$3 or reduc\$3)) not ((EGR or exhaust near2 recirculation) and (exhaust adj gas with stratif\$5 with combustion adj chamber) same fuel adj consumption)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:40
S44	541	(60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48, 430,435,436,672-676,691,704, 531,532,536,559.2.ccls.) and wolfe-\$xp.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:41



S45	165	((60/285 or 123/90.15,90.16,568.11,568.14,677,679,687.ccls. or 123/451,448,447,295,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and wolfe-\$.xp.) and EGR	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/14 17:41
S46	188	123/316.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 09:34
S47	109	123/568.13,58.8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 09:34
S48	5	123/316.ccls. and 123/568.13,58.8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 09:36
S49	19	123/316.ccls. and ((exhaust or outlet) near2 valve) same compression same (pressure with (path\$4 or passage\$4 or channel or conduit or bore or chamber or port))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 16:33
S50	109	123/568.13,58.8.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 16:33
S51	9	123/568.13,58.8.ccls. and ((exhaust or outlet) near2 valve) same compression same (pressure with (path\$4 or passage\$4 or channel or conduit or bore or chamber or port))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/17 16:33
S52	11921	60/285 or 123/90.15,90.16,568.11,568.13,568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:30
S53	2	(60/285 or 123/90.15,90.16,568.11,568.13,568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and lift same compression adj ratio same (exhaust or outlet) same (intake or inlet) same (pressure with (exhaust or outlet) near2 (passage\$4 or path\$4 or conduit or port or channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 11:05



S54	3	lift same compression adj ratio same (exhaust or outlet) same (intake or inlet) same (pressure with (exhaust or outlet) near2 (passage\$4 or path\$4 or conduit or port or channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 11:26
S55	16	lift same (exhaust or outlet) same (intake or inlet) same ((exhaust or outlet) near2 gas) same stratif\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 11:28
S56	10	(60/285 or 123/90.15,90.16,568.11,568.13,568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and (lift same (exhaust or outlet) same (intake or inlet) same ((exhaust or outlet) near2 gas) same stratif\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 11:38
S57	6	(lift same (exhaust or outlet) same (intake or inlet) same ((exhaust or outlet) near2 gas) same stratif\$7) not ((60/285 or 123/90.15,90.16,568.11,568.13,568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8,76,406.48,430,435,436,672-676,691,704,531,532,536,559.2.ccls.) and (lift same (exhaust or outlet) same (intake or inlet) same ((exhaust or outlet) near2 gas) same stratif\$7))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 11:38
S58	1	fuel adj consumption same compression adj ratio near2 increas\$4 same combustion adj chamber same (exhaust or outlet) near2 pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:29
S59	16	fuel adj consumption same compression adj ratio near2 increas\$4 same combustion adj chamber same (exhaust or outlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:18
S60	80	fuel adj consumption and compression adj ratio near2 increas\$4 and combustion adj chamber and (exhaust or outlet) near2 pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:30

S61	24	(fuel adj consumption and compression adj ratio near2 increas\$4 and combustion adj chamber and (exhaust or outlet) near2 pressure) and (60/285 or 123/90.15,90.16,568.11,568.13, 568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8, 76,406.48,430,435,436,672-676, 691,704,531,532,536,559.2.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:31
S62	23	((fuel adj consumption and compression adj ratio near2 increas\$4 and combustion adj chamber and (exhaust or outlet) near2 pressure) and (60/285 or 123/90.15,90.16,568.11,568.13, 568.14,677,679,687.ccls. or 123/316,451,448,447,295,58.8, 76,406.48,430,435,436,672-676, 691,704,531,532,536,559.2.ccls.)) not (fuel adj consumption same compression adj ratio near2 increas\$4 same combustion adj chamber same (exhaust or outlet))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/18 14:31
S63	5	(US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.	USPAT	OR	OFF	2004/08/21 13:56
S64	4	((US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.) and (passage\$4 or path\$4 or conduit or channel or port) and compression and (chamber or pressure) and (operating or condition or parameter or characteristic) and (lift or adjusting or changing) and (load or torque or speed or timing) and (fuel or consumption)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/21 14:01
S65	4	((US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.) and (passage\$4 or path\$4 or conduit or channel or port) and compression and (chamber or pressure) and (operating or condition or parameter or characteristic) and (lift or adjusting or changing) and (load or torque or speed or timing) and (fuel or consumption or stratif\$7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/21 14:24

S66	3	((US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.) and (passage\$4 or path\$4 or conduit or channel or port) same compression same (chamber or stratif\$7 or pressure) and (operating or condition or parameter or characteristic) same (lift or adjusting or changing) same (load or torque or speed or timing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/21 14:25
S67	3	((US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.) and (passage\$4 or path\$4 or manifold or conduit or channel or port) same compression same (chamber or stratif\$7 or pressure) and (operating or condition or parameter or characteristic) same (lift or adjusting or changing) same (load or torque or speed or timing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/21 14:26
S68	5	((US-6321715-\$ or US-6318348-\$ or US-6736106-\$ or US-4442809-\$ or US-6386177-\$).did.) and (passage\$4 or path\$4 or manifold or conduit or channel or port) same compression same (chamber or stratif\$7 or pressure) and (operating or consumption or condition or parameter or characteristic) same (lift or adjusting or changing or load or torque or speed or timing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/08/21 14:27
S69	24	"5682854"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/02/05 20:38
S70	5	("4552112"   "5070824"   "5233948"   "5253620"   "5603292").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/02/05 20:39